

Amendments to the Specification:

Amend the paragraph beginning at page 55, line 1, as follows.

For each reporter, genomic DNA isolated from N2 worms was amplified using primers A1 (~~SEQ ID NOS:1-3~~) U1 (SEQ ID NOS:1-6) and FL (~~SEQ ID NOS:10-12~~ SEQ ID NOS:19-24), while DNA from pAF207 was amplified using primers FU (~~SEQ ID NOS:7-9~~ SEQ ID NOS:13-18) and CAW31 (5' GCCGCATAGTTAAGCCAGCC 3' (~~SEQ ID NO:13~~ SEQ ID NO:25), (Wolkow et al., *Science* 290: 147-50, 2000), using high-fidelity Taq. The EXPAND LONG TEMPLATE PCR SYSTEM (Roche Molecular Biochemicals), a kit containing PCR reagents, was used for all reactions.

Amend the paragraph beginning at page 55, line 8, as follows.

The two PCR products were annealed and the resulting polynucleotide amplified using primers A2 (~~SEQ ID NO:4-6~~) U2 (SEQ ID NOS:7-12) and CAW32 (5' CCGCTTACAGACAAGCTGTGACCG 3') (~~SEQ ID NO:16~~ SEQ ID NO:28). To add the PEST sequence to the C-terminus of GFP, nucleotides 1399-1524 of pd1EGFP-N1 (Invitrogen) were inserted into pPD95\_81 (provided by A. Fire) between the last coding codon and the stop codon of GFP. This generated vector pAF207. The reporter

constructs fpAF15, fpAF9, and fpAF12 correspond, respectively, to *Pmlt-12::GFP-PEST*, *Pmlt-13::GFP-PEST*, and *Pmlt-18::GFP-PEST*. In Table 6, R<sub>1</sub> refers to the DNA sequence:

5' CGGGATTGGCCAAAGGACCCAAAG 3'(~~SEQ ID NO:14~~ SEQ ID NO:26) and R<sub>2</sub> refers to the DNA sequence 5' CTTTGGGTCCTTTGGCCAATCCCG 3'(~~SEQ ID NO:15~~ SEQ ID NO:27). To generate the extrachromosomal arrays mg647, mg648, and mg649, respectively, fpAF15, fpAF9, and fpAF12 were purified by gel electrophoresis and then microinjected into *pha-1(e 2123)* mutant animals along with the *pha-1*<sup>+</sup> plasmid pBX at 3ng/ul (Granato et al., *Nucleic Acids Res.*, 22: 1762-3, 1994) and pBS DNA bringing the final DNA concentration to 100 ng/ul. Transgenic lines were recovered as described (Granato et al., *Nucleic Acids Res.*, 22: 1762-3, 1994).

Insert the Sequence Listing enclosed with the concurrently filed Statement under 37 C.F.R. §§ 1.821-1.825 at the end of the specification.